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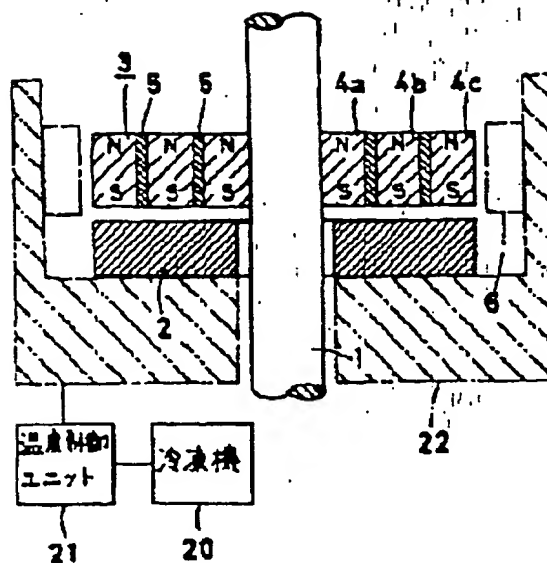
APPLICATION NUMBER : 02403263

APPLICANT : KOYO SEIKO CO LTD;

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INT.CL. : F16C 32/04

TITLE : SUPERCONDUCTIVE BEARING
DEVICE



ABSTRACT : PURPOSE: To stably support a rotational body by a superconductive body with a simple structure.

CONSTITUTION: A superconductive bearing device is provided with a disc-like permanent magnet 3 arranged eccentrically to a rotational body 1, and a superconductive body 2 arranged opposedly to an end face of the permanent magnet 3 with a distance in the direction of a rotational axis of the rotational body 1. The permanent magnet 3 is provided on the rotational body 1 so as not to change a flux distribution around the rotational axis of the rotational body during rotation. The superconductive body 2 which allows entering of the flux of the permanent magnet 3 is arranged on a distanced position where the flux of the permanent magnet 3 enters by a specified rate and the entered flux distribution is not changed by the rotation of the rotational body 1.

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